



NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
Revision 0: 2025-09-19
Page 1 of 9

Sika Corporation
FL47801

Nemo|cert.
353 Christian Street, Unit 12b
Oxford, CT 06478
(475) 888-CERT (2378)
www.nemocert.com

INSPECT

CERTIFY

EVALUATE

VALIDATE

QUALIFY

NEMO EVALUATION REPORT (NER)



Sika Corporation
100 Dan Road
Canton, MA 02021
(781) 828-5400

SUBJECT: SikaShield Modified Bitumen Roof Systems

SCOPE: This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via [NEMO|cert.](#) NEMO Evaluations has evaluated the product described herein for compliance with the [Code sections noted herein](#).

CODE: 2023 Florida Building Code, 8th Edition

JURISDICTION: Non-HVHZ and HVHZ

CATEGORY: **FBC:** Roofing **NEMO:** Modified Bitumen

SUB-CATEGORY: **FBC:** Modified Bitumen Roof Systems

CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 52 00 Modified Bituminous Sheet Roofing

FBC METHOD: Method 1, Option C – Codified Material, Evaluation by Evaluation Entity

COMPLIANCE STATEMENT: **SikaShield Modified Bitumen Roof Systems**, as produced by **Sika Corporation**, have demonstrated compliance with the [Code sections noted herein](#) through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

QUALITY ASSURANCE: Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of [NEMO|cert.](#)

CONTINUED COMPLIANCE: This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.

BUILDING PERMIT REQUIREMENTS: As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.

ADVERTISEMENT: "NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.

CERTIFICATION OF INDEPENDENCE:

- ✓ NEMO CERT, LLC has not, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- ✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
- ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.





NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
Revision 0: 2025-09-19

Sika Corporation
FL47801



ISO/IEC 17065

PCA-145

1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2023 Florida Building Code, 8 th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire Classification	UL 790
	1507.11.2, TAS 110	Material standard	ASTM D6163
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G

2. PRODUCTS:

TABLE 1A: EVALUATED COMPONENTS (NEMO Certified. Consult Directory of Certified Products for production location(s))				
TYPE	PRODUCT	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
BASE PLY OR PLY MEMBRANES	SikaShield E54 PE 3 mm	ASTM D6163	I	S
	SikaShield E54 SF 3 mm	ASTM D6163	I	S
CAP PLY MEMBRANES	SikaShield HB79 MG 4 mm	ASTM D6163	I	G
	SikaShield HB79 MGF 4 mm	ASTM D6163	I	G

TABLE 2: COMPONENTS BY OTHERS (4.1.4) (Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	SIKA CORPORATION PRODUCT	PRODUCT BY OTHERS	FBC	NOA
ADHESIVES:	Sarnacol 2163	--	FL1800	25-0417.03
	Sarnacol AD Board Adhesive	--	FL1800	25-0417.03
	Sarnacol OM Board Adhesive	--	FL1608	24-0422.18
	Vapor Retarder Adhesive CA-SB	--	FL9779	23-1130.04
	Vapor Retarder Adhesive CA	--	FL9779	23-1130.04
	--	Millennium Hurricane Force 1-Part Membrane Adhesive	N/A	25-0417.03
	--	Trufast Roofing Adhesive	FL41878	24-0521.02
INSULATIONS:	Sarnatherm-A ISO	--	FL9274	24-1120.02
	Sarnatherm-A CG	--	FL9274	24-1120.02
	Sarnatherm-H ISO	--	FL9274	24-1021.04
	Sarnatherm-H CG	--	FL9274	24-1021.04
	--	DensDeck Prime	FL1250	22-1223.04
	--	DEXcell FA Glass Mat Roof Board	FL17840	25-0722.11
	--	SECUROCK Ultralight Coated Glass-Mat Roof Board	FL4264	21-0923.05
MECHANICAL FASTENERS:	Sarnafastener #12	--	FL699	24-0627.03
	Sarnafastener #14	--	FL699	24-0627.03
	Sarnafastener #15 XP	--	FL699	24-0627.03
	Sarnaplate	--	FL699	24-0627.03
PRIMERS:	Vapor Retarder Primer SB	--	FL9779	23-1130.04
	Vapor Retarder Primer TA	--	FL9779	23-1130.04
	Vapor Retarder Primer VC	--	FL9779	23-1130.04



NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
 Revision 0: 2025-09-19
 Page 3 of 9

Sika Corporation
 FL47801



TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
(Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	SIKA CORPORATION PRODUCT	PRODUCT BY OTHERS	FBC	NOA
VAPOR BARRIER:	Ply Sheet HA 87	--	FL3915	24-1003.03
	Ply Sheet HA 118	--	FL3915	24-1003.03
	Ply Sheet TA 87	--	FL3915	24-1003.03
	Ply Sheet TA 138	--	FL3915	24-1003.03
	SikaShield VB P42 S 3 mm	--	N/A	N/A
	Vapor Retarder SA 106	--	FL3915	24-1003.03
	Vapor Retarder SA 31	--	FL3915	24-0610.08

3. INSTALLATION:

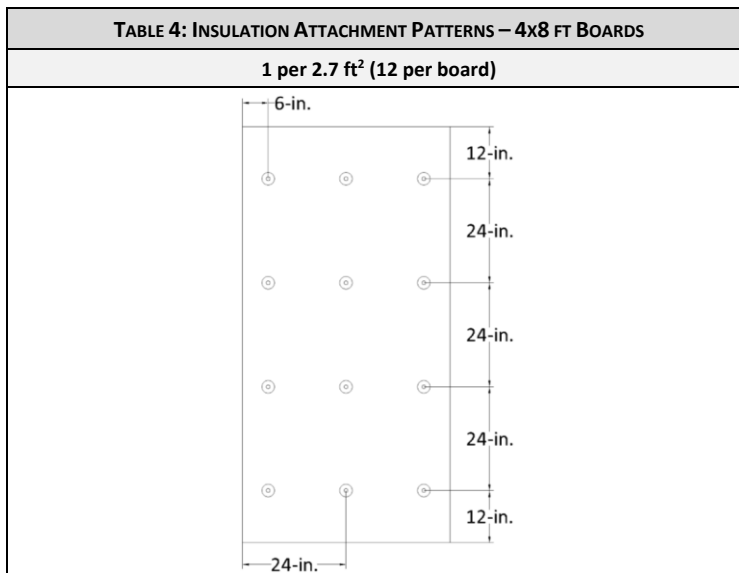
3.1 **SikaShield Modified Bitumen Roof Systems** shall be installed in accordance with **Sika Corporation** published installation instructions, subject to the [Limitations of Use](#) noted herein.

3.1.1 **Fasteners:** Unless otherwise noted, fasteners and stress plates shall be as follows. Recessed plates are not for use with hardboard (e.g., gypsum-based or cement) insulations. Fasteners shall be of sufficient length for the following engagements.

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
STEEL	Sarnafastener #12, Sarnafastener #14 or Sarnafastener #15 XP with Sarnaplate	Min. 0.75-inch penetration through top flange of the steel deck

3.1.2 **Insulation:**

- (a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- (b) RESERVED
- (c) RESERVED
- (d) RESERVED
- (e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.





NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
Revision 0: 2025-09-19

Sika Corporation
FL47801



(f) ➤ RESERVED

3.1.3 Insulation Adhesives:

- (a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer’s published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing. Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.

TABLE 5A: INSULATION ADHESIVE REFERENCES		
ADHESIVE	REFERENCE	MINIMUM RATE
Sarnacol 2163	N/A	Continuous 0.5-inch wide ribbons, max. 12-inch o.c.
Sarnacol AD Board Adhesive	Sarnacol AD-BA	Continuous 0.5 to 0.75-inch wide ribbons, max. 12-inch o.c.
Sarnacol OM Board Adhesive	Sarnacol OM-BA	Continuous 0.75-inch to 1-inch wide ribbons, max. 12-inch o.c.
Trufast Roofing Adhesive	TF-RA	Continuous 1 to 1.5-inch ribbons, 12-inch o.c.

- (b) Unless otherwise noted, all adhered insulations are flat-stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to ‘increase’ the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the selected assembly.

TABLE 5B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (psf)
Sarnacol 2163	Any polyisocyanurate listed herein	0.5	-157.5
Sarnacol AD-BA	Any polyisocyanurate listed herein	0.5	-157.5
Sarnacol OM-BA	Sarnatherm-H ISO	0.5	-315.0
Sarnacol OM-BA	Sarnatherm-A CG	0.5	-345.0
Sarnacol OM-BA	Sarnatherm-A ISO	0.5	-487.5

- (c) Adhered Insulation, Board Size:

- FBC non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet 1-29](#).
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

- (a) For bonded membrane applications, unless otherwise noted, refer to the following.

TABLE 6: MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
SBS-CA	Base Ply:	SikaShield E54 SF 3 mm	Millennium Hurricane Force 1-Part Membrane Adhesive, 1.5 – 2 gal/square
	Cap Ply:	SikaShield HB79 MGF 4 mm	
SBS-TA	Base Ply or Ply:	SikaShield E54 PE 3 mm	Torch-applied, Full Bond
	Cap Ply:	SikaShield HB79 MG 4 mm	
VB-AA	Vapor Barrier:	Ply Sheet HA 87 or Ply Sheet HA 118	Hot Asphalt, 20-40 lbs/square
VB-CA1	Vapor Barrier:	Ply Sheet HA 87 or Ply Sheet HA 118	Millennium Hurricane Force 1-Part Membrane Adhesive, 1.5 – 2 gal/square
VB-CA2	Vapor Barrier:	Ply Sheet HA 87 or Ply Sheet HA 118	Vapor Retarder Adhesive CA, 1.5 – 2.5 gal/square
VB-CA3	Vapor Barrier:	Ply Sheet HA 87 or Ply Sheet HA 118	Vapor Retarder Adhesive CA-SB, 1.5 - 2.0 gal/square
VB-SA	Vapor Barrier:	Vapor Retarder SA 31 or Vapor Retarder SA 106	Self-adhering, Full Bond
VB-TA	Vapor Barrier:	SikaShield VB P42 S 3 mm, Ply Sheet TA 87 or Ply Sheet TA 138	Torch-applied, Full Bond



NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
Revision 0: 2025-09-19

Sika Corporation
FL47801



ISO/IEC 17065

PCA-145

3.1.5 Vapor Barriers:

- (a) For System Types B-1, B-2, C-1, C-2, D-1 or D-2, an optional thermal barrier and/or vapor barrier membrane may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation recommendations and limitations.
- (b) Refer to [Section 4.3](#) herein for options where the vapor barrier forms part of the load path.

4. LIMITATIONS OF USE:

4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.1.2 Roof Decks:

- (a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.
- (d) The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard](#) TAS 114(J). Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction.

TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (PSF)
22 ga., type B, Grade 80 steel	72	#12 HWH Tek5	6	-60

4.1.3 Fire Classification:

- (a) Refer to **FBC 1505**, **FBC HVHZ 1516**, **UL TGFU.R8992** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on [Page 1](#) of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 Jurisdiction Specific:

	FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to FBC 1504.5 for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to RAS 111 for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to FBC 1511 for requirements and limitations regarding recover installations.	Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations.



NEMO EVALUATIONS REPORT

Report No.: NER-SIKA-001
Revision 0: 2025-09-19

Sika Corporation
FL47801



ISO/IEC 17065

PCA-145

NEMO|cert.® Page 6 of 9

FBC Non-HVHZ	FBC HVHZ
<p>(a) For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with ANSI/SPRI FX-1 or TAS 105.</p> <p>(b) For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with ANSI/SPRI IA-1, FM Loss Prevention Data Sheet 1-52 or TAS 124 shall be conducted on mock-ups of the proposed interface.</p> <p>(c) For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with FM Loss Prevention Data Sheet 1-52 or TAS 124.</p>	<p>For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with TAS 105.</p> <p>For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with TAS 124 shall be conducted on mock-ups of the proposed interface.</p> <p>For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with TAS 124.</p>
<p>4.2.3 <u>Wind Load Resistance:</u></p> <p>(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.</p> <p>(b) “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per FBC 1504.9 has already been applied). Refer to FBC 1609 for determination of design wind loads.</p> <p>(c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, RAS 117 and RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 for Zone 2/3 enhancements.</p> <p>(d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.</p>	<p>“MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per TAS 114 has already been applied). Refer to FBC HVHZ 1620 or RAS 128 for determination of design wind loads.</p> <p>Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC HVHZ 1620 or RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with RAS 117 or RAS 137.</p> <p>For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.</p>



4.3 System Listings and Allowable Design Pressures: See [Section 4.2.3](#)

4.3.1 **Thermal Barriers / Vapor Barriers:** The lesser of the MDP listings below vs. that for the selected roof assembly from [Section 4.3.2](#) applies.

(a) **Structural Concrete Decks:**

TABLE 8: STRUCTURAL CONCRETE DECK VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	INSULATION ADHESIVE PER TABLE 3A (3.1.3)	MDP (PSF)
C-VB-1.	None	VB-CA3	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA, ribbons max. 12-inch o.c.	-120.0
C-VB-2.	ASTM D41 or Vapor Retarder Primer TA	VB-AA or VB-TA	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA, ribbons max. 12-inch o.c.	-137.0
C-VB-3.	None	VB-CA1 or VB-CA2	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA, ribbons max. 12-inch o.c.	-137.0
C-VB-4.	Vapor Retarder Primer SB or Vapor Retarder Primer VC	VB-SA	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA, ribbons max. 12-inch o.c.	-137.0

4.3.2 **Roof Assemblies:**

TABLE 9A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-2: MECHANICALLY FASTENED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER														
SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD-APPLIED BASE PLY MEMBRANE:														
SC-1.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	None	VB-CA1	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
SC-2.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	Vapor Retarder Primer SB or Vapor Retarder Primer VC	VB-SA	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
SC-3.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	Vapor Retarder Primer VC	VB-SA	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0



TABLE 9A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY FASTENED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-4.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	ASTM D41 or Vapor Retarder Primer TA	Ply Sheet TA 87 or Ply Sheet TA 138	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
TORCH-APPLIED BASE PLY MEMBRANE:														
SC-5.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	None	VB-CA1	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-TA	(Optional) SBS-TA	SBS-TA	-60.0
SC-6.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	Vapor Retarder Primer SB or Vapor Retarder Primer VC	VB-SA	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-TA	(Optional) SBS-TA	SBS-TA	-60.0
SC-7.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	Vapor Retarder Primer VC	VB-SA	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-TA	(Optional) SBS-TA	SBS-TA	-60.0



TABLE 9A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER														
SYSTEM TYPE B-2: MECHANICALLY FASTENED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER														
SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-8.	Min. 22 ga., type B, Grade 80 steel	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	ASTM D41 or Vapor Retarder Primer TA	Ply Sheet TA 87 or Ply Sheet TA 138	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-TA	(Optional) SBS-TA	SBS-TA	-60.0

TABLE 10A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER										
REFER TO TABLE 8 FOR VAPOR BARRIER OPTIONS										
SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S)			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)		TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD-APPLIED BASE PLY MEMBRANE:										
C-1.	Structural concrete	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA		Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-CA	(Optional) SBS-CA	SBS-CA	-137.0
TORCH-APPLIED BASE PLY MEMBRANE:										
C-2.	Structural concrete	One or more layer(s), min. 1.5-inch Sarnatherm-A ISO, Sarnatherm-A CG, Sarnatherm-H ISO or Sarnatherm-H CG	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA		Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Sarnacol 2163, Sarnacol AD-BA, Sarnacol OM-BA or TF-RA	SBS-TA	(Optional) SBS-TA	SBS-TA	-137.0